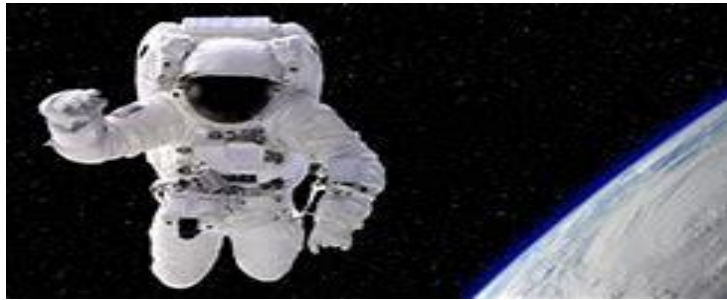




**TOPIC - Stargazers**

**Years 4 & 5**

**Spring Term 2018**



## Key Areas of Learning

Journey through space, the final frontier.... Navigate beyond the Sun: the magnificent, blazing star at the centre of our Solar System!

Investigate the eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. Take a look at the Moon, a celestial body that orbits Earth.

Work scientifically to investigate gravity and what happens when there is none! Listen to the haunting sounds of space-themed songs. Then it's three, two, one..... **BLAST OFF!** Build and launch a rocket for an important test mission.

Exploring space is probably the greatest adventure that humankind has ever undertaken. Are we alone or are there other life forms out there?

### English

Discuss different writing to understand from its structure, vocabulary and grammar. Focus on Mnemonics, Newspaper reports, Science fiction/graphic narrative.

Read, explore and analyse the front pages of newspapers on the day the Moon landing was reported and high quality nonfiction texts to deepen understanding of whole topic.

Read, write and perform free verse poetry.

### Mathematics

Maths will follow the appropriate curriculum focusing on:

Number

(Place value, + - x ÷)

Fractions

Geometry

Measurement

Weekly problem solving lessons

### RE

Exploring the questions: 'Is a Holy Journey necessary for believers?' and 'Should believers give things up?'

### Art & DT

Printing - to create an accurate lunar calendar. Design, make and test satellites, rovers and shuttles for specific missions. Study art inspired by space and create own sketches.

### PE

Children will swim once a week on a Wednesday morning. They will also have one PE lesson a week focusing on Dance (Spring 1) and Tag Rugby (Spring 2).

### French

Learn some basic nouns including musical instruments and household objects.

### Computina

Develop skills in presenting and explaining information in an engaging and fun way by creating an eBook incorporating moving images, sounds, hyperlinks and more.

### Music

Listen to popular songs about space. Make comparisons with classical music - The Planets by Gustav Holst. Weekly violin and cello group lesson.

### Science

Earth and Space – Name and describe the eight planets of the solar system and their position to each other and the sun. Describe the key force responsible for planets being spherical. Explain day and night and the seasons.

Forces – Describe, explain and investigate: friction, gravity, air resistance, water resistance, balanced and unbalanced forces, levers, pulleys and pivots.

### Humanities

Geography – Use a range of aerial images of the Earth to identify geographical features such as countries, continents, volcanoes, rivers and impact craters. Refer to globes and maps to make identifications.

History – Describe how a significant individual or movement has influenced the UK or wider world (Galileo Galilei, Sir Isaac Newton and Copernicus). Explore the global impact of the Space Race.

### PSHE

Watch videos on how and when situations arise which require the following life skills: Perseverance, Empathy, Gratitude and Growth Mind-set (focus on neurons and how challenge can shape the brain and help it grow).

Discuss the content of videos and how this can be applied to everyday life to make us happier and better learners.